Rosenberger

Small, Smart, Sufficient

HVR®25 – High-Voltage Connectors Shielded up to 45 Ampere

AUTOMOTIVE E-MOBILITY





HVR®25 - Precision Without Complexity

HVR®25 - Shielded & Smallest HV Connectors up to 45 Ampere

When choosing the right high-voltage connector, it's all about precision – meeting your exact needs without unnecessary complexity. Focus on the essentials: voltage, current capacity, environmental resilience, and safety compliance. To optimize costs without compromising reliability, follow the golden rule: "Precision Without More Than Needed". For applications requiring currents up to 45 amps, Rosenberger HVR®25 solutions are available that ensure both high safety standards and reliable performance.

Small, Smart, Sufficient

- Smallest Rosenberger HV connector series
- Compact design for less assembly space
- Cost optimization for connector and harness
- Best cost and performance ratio out of its class

Meeting market technical design trend

- Platform turns to 800 V DC and upwards requires lower current
- Accuracy in design requirement definition avoiding overengineering
- Easy assembly as well as automation both for connector and harness

Technical Data

- Shielded
- Current capacity at 85 °C
  - 15 A @1.5 mm²
  - 35 A @2.5 mm²
  - 45 A @4 mm²

Working voltage 1000 V DC

- With HVIL
- Vibration according LV215 V2 + V3
- Validation according USCAR
- IP code mated IP6K9K / IPX7 / IPXXD
- IP code unmated IPXXB
- Temperature range -40 °C to +125 °C
- RoHS compliant

Applications

Auxiliary systems, such as

- PTC heating (Positive Temperature Coefficient)
- Inverter
- OBC



HVR®25 - Efficient for E-Mobility

HVR®25 Cable Connector

- Stable performance
- Assembly of single core cables
- Easy integration in automation process



HVR®25 Header

- Capable of different terminal connections
  e.g. busbars, cable variants
- Simplified assembly requiring only two screws



Status September 2026 – Technical modifications and errors excepted. Similar images.

Website

For more information refer to our website:
www.rosenberger.com/hvr25

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